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'EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
Det	AA	4,597,090	6-24-86	Forney, Jr.						
	AB	4,077,021	2-28-78	. Csajka et al.						
	AC	2005/0084750	4-21-05	Wang et al.		-				
	AD	2005/0058633	3-17-05	Epstein et al.						
,	AE	-2005/0022022		-				<del></del> .,		
·	AF	4,918,437	4-17-90	Jasinski et al.				-		
	AG	5,023,889	6-11-91	Divsalar et al.						
	АН	5,063,452	11-5-91	Higurashi		Annual companies of	enter transportation of the second			
	AI	5,124,852	6-23-92	Suwa et al.			gar a			
	AJ	5,136,380	8-4-92	Cho			AT ANY AND ANY AND AND AND ANY			
	AK	5,146,335	9-8-92	Kim et al.		٠ ١٠٠٠	***************************************			
	AL	5,148,422	9-15-92	Sako et al.			The state of the s			
D14	АМ	5,218,436	6-8-93	Sugiyama et al.						
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO		
DH	AN	2627574	7-21-04	CN						
	AO	1529838	5-11-05	EP			abstract			
	AP	1499725	5-26-04	CN			only abstract			
	AQ	2004-159207	6-3-04	JP			corresponds to AP			
	AR	1528854	5-11-05	EP			only abstract			
1	AS	52118	12-16-02	UA			only abstract			
DH	AT	1569334	1-26-05	CN				х		
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/DH/	AA	4,267,592	5-12-81		Craiglow						
/DH/ 	АВ	4,601,045	7-15-86	l	ubarsky						
/DH/	AC	4,912,706	3-27-90	Eise	enberg et al.						
/DH/ 	AD	4,914,655	4-3-90	Joh	annes et al.						
/DH/	AE	5,018,198	5-21-91	T	akahashi					-	
/DH/	AF	4,003,002	1-11-77	Sni	jders et al.						
/DH/	AG	4,053,713	10-11-77	Nitadori				,			
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copthis form with next communication to applicant.

Sheet 1 of 1			INFORMA	ATION DISCLOSURE STATEMEN	NT					
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DH	AO	J. A. C. Bingham, "N Communications Ma	Aulticarrier Mod agazine, Vol. 28	dulation for Data Transmis 8, May 1990, pages 5-8 ar	sion: An nd 11-14	ldea Wi	nose Time Had	s Come", IEE	Έ	
D14	АР	B. Hirosaki, "An Orth Transactions on Col	nogonally Multip mmunications, \	plexed QAM System Using Vol. Com-29, No. 7, July 1	g the Dis 1981, par	crete Fo ges 982	ourier Transfor -989	m", IEEE		
D4	AQ	L. J. Cimini, Jr., "And Multiplexing", IEEE	alysis and Simu Transactions or	ulation of a Digital Mobile ( n Communications, Vol. C	Channel com-33, f	Using C No. 7, Ju	orthogonal Fre ly 1985, page	quency Divisi s 665-675 an	ion Id Annex	
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DH	AA	3,824,548	7-16-74	Sullivan et al.					
	АВ	3,959,726	5-25-76	Hinoshita et al.					
	AC	4,303,939	12-1-81	Stephens et al.					
	AD	4,303,941	12-1-81	Marti et al.					
	AE	4,309,726	1-5-82	Tanaka et al.					
	AF	4,535,352	8-85	Haskeli					
	AG	4,564,858	1-14-86	Resch					
	АН	4,581,639	4-8-86	Judge		RE	CEIVE	D	
	Al	4,769,819	9-6-88	Matsutani et al.		M	R 3 0 200	5	
	AJ	4,794,447	12-27-88	Tsinberg		GRO	DUP 3	<u>600</u>	
	AK	4,817,192	3-28-89	Phillips et al.					
	AL	5,029,003	7-91	Jonnalagadda					
	AM	5,134,464	7-28-92	Basile et al.					
	AN	5,400,084	3-21-95	Scarpa					
DH	AO	5,214,656	5-25-93	Chung et al.					
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124	AP	3-48587	3-1-91	Japan			abstract		
		OTHER	R DOCUMENT(S)_(	Including Author, Title, Date, Pertin	ent Pages, Etc.)				
DH	AQ	Masafumi SAITO e	t al., "Bit Error f	Rate Characteristics of OF	DM in Multipath	Environment",	1991		
714	AR	Ryutaro OHMOTO	et al., "π/4-shift	t QPSK Subcarrier Transm					
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		АВ	5,377,051	12-27-94	Lane et al.						
		AC	5,576,902	11-19-96	Lane et al.					,	
		AD	5,218,622	6-8-93	Fazel et al.						
		AE	5,561,468	10-1-96	Bryan et al.			RE	CEIVI	ED.	
		AF	5,598,220	1-97	Citta et al.				R 3 0 20		
		AG	5,802,241	9-1-98	Oshima	-		GRO	ROUP 3600		
		АН	4,800,426	1-24-89	Glenn			, GIT IV			
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/DH/	AL	63-253738	10-20-88	Japan			abstract	
/DH/	АМ	62-502932	11-19-87	Japan			abstract	
/DH/	AN	58-107740	6-27-83	Japan			abstract	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.